

PUBLICATION LIST

a) ISI Papers (selection)

1. **D. A. Magdas**, F. Guyon, R. Puscas, A. Vigouroux, L. Gaillard, A. Dehelean, I. Feher, G. Cristea, Applications of emerging stable isotopes and elemental markers for geographical and varietal recognition of Romanian and French honeys (2021) *Food Chemistry*, 334, 127599
2. C. Berghian-Grosan, **D. A. Magdas**, Raman spectroscopy and Machine-Learning for edible oils evaluation (2020) *Talanta*, 121176
3. **D. A. Magdas**, O. Marincas, G. Cristea, I. Feher, N. Vedeanu, REE's - a possible tool for geographical origin assessment? *Environmental Chemistry* – Doi: 10.1071/EN19163
4. N. Vedeanu, C. Voica, **D. A. Magdas**, B. Kiss, M. G. Stefan, R. Simedrea, C. Georgiu, C. Berce, O. Vostinaru, R. Boros, I. Fizesan, M. E. Rusu, A. Ignat, F. Loghin, D.-S. Popa, Subacute co-exposure to low doses of ruthenium (III) changes the distribution, excretion and biological effects of silver ions in rats - *Environmental Chemistry* – Doi: 10.1071/EN19249
5. C. V. Floare-Avram, F. Covaciu, C. Voica, R. Puscas, I. Feher, O. Marincas, **D. A. Magdas**, Differentiation of tomatoes based on isotopic, elemental and organic markers (2020) *Journal of Food Science and Technology -Mysore-* DOI: [10.1007/s13197-020-04258-z](https://doi.org/10.1007/s13197-020-04258-z)
6. V. Tecsa, J. A. Mason, X. Miao, B. Johnson, D. Constantin, S. Radu, **D. A. Magdas**, D. Veres, S. B. Marković, A. Timar-Gabor, Latest Pleistocene to Holocene loess in the central Great Plains: Optically stimulated luminescence dating and multi-proxy analysis of the enders loess section (Nebraska, USA) (2020) *Quaternary Science Reviews*, 229, 106130

7. C. Muller-Molnar, C. Berghian-Grosan **D. A. Magdas**, An optimized green preparation method for the successful application of Raman spectroscopy in honey studies (2020), *Talanta*, 208, 120432
8. **D. A. Magdas**, B. I. Cozar, I. Feher, F. Guyon, A. Dehelean, S. Cinta Pinzaru, Testing the limits of FT-Raman spectroscopy for wine authentication: Cultivar, geographical origin, vintage and terroir effect influence (2019), *Scientific Reports*, 9, 19954
9. L.-C. Suciuc, L. Zarbo, F. Guyon, **D. A. Magdas**, Application of fluorescence spectroscopy using classical right angle technique in white wines classification, (2019), *Scientific Reports*, 9, 18250
10. I. Feher, **D. A. Magdas**, A. Dehelean, C. Sarbu, Characterization and classification of wines according to geographical origin, vintage and specific variety based on elemental content: a new chemometric approach, (2019), *Journal of Food Science and Technology - Mysore*, 56, 12, 5225-5232
11. **D.A. Magdas**, A. Pirnau, I. Feher, F. Guyon, I.B. Cozar, Alternative approach of applying $^1\text{H-NMR}$ in conjunction with chemometrics for wine classification, (2019) *LWT - Food Science and Technology*, 109, 422-428.
12. **D. A. Magdas**, I. Feher, G. Cristea, C. Voica, A. Tabaran, M. Mihaiu, D.V. Cordea, V.A. Bâlțeanu, S.D. Dan, Geographical origin and species differentiation of Transylvanian cheese. Comparative study of isotopic and elemental profiling vs. DNA results (2019) *Food Chemistry*, 277, pp. 307-313.
13. **D.A. Magdas**, I. Feher, A. Dehelean, G. Cristea, T.M. Magdas, R. Puscas, O. Marinceaș, Isotopic and elemental markers for geographical origin and organically grown carrots discrimination (2018) *Food Chemistry*, 267, pp. 231-239.
14. O. Marinceaș, I. Feher, **D.A. Magdas**, R. Pușcaș, Optimized and validated method for simultaneous extraction, identification and quantification of flavonoids and capsaicin, along with isotopic composition, in hot peppers from different regions (2018) *Food Chemistry*, 267, pp. 255-262.
15. F. Guyon, L Gaillard, **D.A. Magdas**, Optimization of oxygen-18 ratio measurements by equilibration – Isotope ratio mass spectrometry using various water content matrices (2018) *Talanta*, 189, pp. 653-656.

16. **D.A. Magdas**, S. Cinta Pinzaru, F. Guyon, I. Feher, B.I. Cozar, Application of SERS technique in white wines discrimination, (2018) *Food Control*, 92, pp. 30-36.
17. G. Cristea, C. Voica, I. Feher, S. Radu, **D.A. Magdas**, Isotopic and Elemental Characterization of Cider Commercialized on Romanian Market (2018) *Analytical Letters*, 52, 1, 139-149
18. S.C. Pinzaru, **D.A. Magdas**, Ag nanoparticles meet wines: SERS for wine analysis (2018) *Food Analytical Methods*, 11 (3), pp. 892-900.
19. **D.A. Magdas**, F. Guyon, I. Feher, S.C. Pinzaru, Wine discrimination based on chemometric analysis of untargeted markers using FT-Raman spectroscopy (2018) *Food Control*, 85, pp. 385-391.
20. A. Dehelean, E.D. Kovacs, **D.A. Magdas**, G. Cristea, C. Voica, I. Feher, M.H. Kovacs, O. Marincas, Z. Zhang, P. Li, Q. Zang, Infant Supplement Quality Evaluation by Inductively Coupled Plasma–Mass Spectrometry, Gas Chromatography, and Isotope Ratio Mass Spectrometry (2019) *Analytical Letters*. 52, 127
21. C., Voica, C. Roba, I. Feher, **D.A. Magdas**, Elemental Analysis and Metal Intake of Romanian Vegetables (2017) *Analytical Letters*, 50 (17), pp. 2755-2771.
22. F.D. Covaciu, **D.A. Magdas**, O. Marincas, Z. Moldovan, Determination of Pesticides in Carrots by Gas Chromatography–Mass Spectrometry (2017) *Analytical Letters*, 50 (17), pp. 2665-2676.
23. G. Cristea, I. Feher, **D.A. Magdas**, C. Voica, R. Puscas, Characterization of Vegetables by Stable Isotopic and Elemental Signatures (2017) *Analytical Letters*, 50 (17), pp. 2677-2690.
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25. Cristea, G., Magdas, D.A., Voica, C., Feher, I., Stable Isotope Fingerprinting for Pharmaceutical Authentication (2017) *Analytical Letters*, 50 (17), pp. 2691-2698.
26. I. Feher, **D. A. Magdas**, A. Dehelean, G. Cristea, C. Voica, Application of light stable isotope ratios and elemental profile in the organic vegetables characterization, *Romanian Journal of Physics* 62 (1-2) (2017)

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28. **D. A. Magdas**, A. Dehelean, I. Feher, G. Cristea, R. Puscas, C. Voica, S. D. Dan, D.V. Cordea, Discrimination markers for geographical and species origin of raw milk within Romania, *International Dairy Journal* 61, 135-141 (2016)
29. **D.A. Magdas**, N. S. Vedeanu, D. Toloman, Study on the effect of vanadium oxide in calcium phosphate glasses by Raman, IR and UV-vis spectroscopy, *Journal of Non-Crystalline Solids*, 428, 151-155 (2015)
30. C. Voica, **D.A. Magdas**, I. Feher, Metal Content and Stable Isotope Determination in Some Commercial Beers from Romanian Markets, *Journal of Chemistry*, Article Number: 192032 (2015)
31. **D.A. Magdas**, G. Cristea, R. Puscas, F. Tusa, The use of isotope ratios in commercial fruit juices authentication, *Romanian Journal of Physics*, 59, 3-4, 355-359 (2014)
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34. **D.A. Magdas**, R. Stefan, D. Toloman, N. S. Vedeanu, *Copper ions influence on lead-phosphate glass network*, *Journal of Molecular Structure*, 1056-1057, 314-318 (2014)
35. A. Dehelean, **D. A. Magdas**, *Analysis of Mineral and Heavy Metal Content of Some Commercial Fruit Juices by Inductively Coupled Plasma Mass Spectrometry*, *The Scientific World Journal* Volume 2013 (2013), Article ID 215423
36. A. Pîrnău, M. Bogdan, **D. A. Măgdaș**, D. Stătescu, *Isotopic Analysis of some Romanian Wines by ²H NMR and IRMS*, *Food Biophysics*, 8, 1, 24-28 (2013)
37. A. Dehelean, **D. A. Magdas**, G. Cristea, *Investigation of Trace Metals Content and Carbon Isotopic Composition on the Soil Leaf-Fruit Chain from Some Transylvanian Areas*, *Analytical Letters*, 46: 498–507 (2013)

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41. G. Schmutzer, V. Avram, F. Covaciu, I. Feher, **A. Magdas**, L. David, Z. Moldovan, *Study of Flavor Compounds from Orange Juices by HS-SPME and GC-MS*, AIP Conference Proceedings 1565, 79 (2013); doi: 10.1063/1.4833701
42. D. Toloman, R. Ciceo-Lucacel, **D.A. Magdas**, A. Regos, A.R. Biris, C. Leostean, I. Ardelean, *The modifier/former role of MoO₃ in some calcium-phosphate glasses*, Journal of Alloys and Compounds, 556, 67–70 (2013)
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1. Books/ Books chapters

1. **D.A. Magdas**; N.S. Vedeanu, “**Aplicatii ale spectroscopiei vibrationale in studiul sistemelor fosfatice vitroase**”, Editura Casa Cartii de Stiinta, Cluj-Napoca, ISBN 978-973-133-648-0 (2009).
2. **D.A. Magdas**, G. Cristea, Book chapter – „Light isotopes” in „**Food Authentication: Management, Analysis, and Regulation**”, Editor Constantinos A. Georgiou, (2017) Chichester, UK; Hoboken, NJ: John Wiley & Sons Ltd., ISBN 987-1-118-81026-2, pp. 117-131
3. **D.A. Magdas**, G. Cristea, I. Feher, O. Marincas, Book chapter – “Isotopes, traceability and omics”, in *Comprehensive Foodomics*, Editor Daniel Cozzolino, in print, Elsevier

2. BDI ARTICLES

1. A. Tăbăran, S. D. Dan, O. Reget, D.V. Cordea, A. Măgdaș, M. Mihaiu, Microbiological Quality Evaluation of Various Types Of Traditional Romanian Cheese Through Advanced Methods, *Bulletin UASVM Veterinary Medicine* 73, 2 (2016)
2. S. D. Dan, M. Mihaiu, A.D. Măgdaș, G. Săplăcan, S. Mirel, O. Reget, A. Tăbăran, Physico-chemical and microbiological changes during ripening of telemea

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 4. D. Rank, S. Wyhlidal, W. Papesch, M. Horacek, M. Tudor, D.A. Magdas, Isotopic composition of Danube water in the pre-delta section from the years 2009-2012, *Scientific Annals of the Danube Delta Institute Tulcea, Romania*, Vol. 19, 95-100 (2013)
 5. **D. A. Magdas**, N. Vedeanu, O. Cozar, I. Ardelean, *Comparative studies between phosphate glass systems containing different ratios of copper and vanadium oxide*, *Studia Universitatis Babes-Bolyai Physica*, Volume: 57 Issue: 1, 35-40, 2012
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 7. Wolfgang Papesch, Dieter Rank, **Alina Magdas**, *Investigation of isotopic composition of Danube water as indicator for hydroclimatic changes in the Danube Basin. Establishment of a representative isotope monitoring near the mouth of the river*, Proceedings of 38th IAD Conference, June 2010, Dresden, Germany (2010)
 8. **D. A. Magdas**, S. M. Cuna, *Preliminary study of traceability on the soil-plant-grape chain*, *Progress of Cryogenics and Isotope Separation*, Volume 13, issue 2, 123-127 (2010) ISSN: 1582-2575
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 10. B. Mendez, P. Fernandez, A. Cremades, **A. Magdas**, P. Hidalgo, E. Nogales, D. Maestre, J. Piqueras, *Nano y microestructuras de oxidos semiconductores*, *Revista española de fisica*, 20(2), 51-54, (2006)
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14. **D. A. Magdas**, S. M. Cuna, V. Mirel, P. Berdea, E. Dordai, G. Cristea, *The use of stable isotope ratios for fruit juices and vegetable oils authentication*, *Proceedings IC-ANMBES 2010 – June 18-20, 2010 Brasov, Romania*